## SEQUENCE LISTING

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		-	_		_	_					_	_	aca Thr			148
	_		_			_			_	_		_	tac Tyr	_	_	196
													cag Gln			244
_			_		_			_					gag Glu 90	_	_	292

	aat Asn															
_	atc Ile 110				_	_	_				_	_		_	_	
	aaa Lys			_	_		_	_		_	-	_				
	cta Leu										_		-			
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Ser	Cys	Phe		5 Ile		Cys	_	Val	10 Gly					15 Ala	_	
		Phe	His 20	5 Ile	Ile	Cys	Leu	Val 25	10 Gly	Thr	Ile	Ser	Leu 30	15 Ala	Cys	
Asn	Cys	Phe Met 35	His 20 Thr	5 Ile Pro	Ile Glu	Cys Gln	Leu Met 40	Val 25 Ala	10 Gly Thr	Thr Asn	Ile Val	Ser Asn 45	Leu 30 Cys	15 Ala Ser	Cys	
Asn Pro	Cys Asp Glu	Phe Met 35	His 20 Thr	5 Ile Pro Thr	Ile Glu Arg	Cys Gln Ser 55	Leu Met 40 Tyr	Val 25 Ala Asp	10 Gly Thr	Thr Asn Met	Ile Val Glu 60	Ser Asn 45	Leu 30 Cys Gly	15 Ala Ser Asp	Cys Ser Ile	
Asn Pro Arg 65	Cys Asp Glu 50	Phe Met 35 Arg	His 20 Thr His	5 Ile Pro Thr	Ile Glu Arg Phe	Cys Gln Ser 55 Cys	Leu Met 40 Tyr	Val 25 Ala Asp	10 Gly Thr Tyr	Thr Asn Met Trp 75	Ile Val Glu 60 Tyr	Ser Asn 45 Gly Leu	Leu 30 Cys Gly	15 Ala Ser Asp	Cys Ser Ile Asp	
Asn Pro Arg 65 Lys	Cys Asp Glu 50 Val	Phe Met 35 Arg Arg	His 20 Thr His Arg	5 Ile Pro Thr Leu Val 85	Ile Glu Arg Phe 70 Lys	Cys Gln Ser 55 Cys	Leu  Met 40  Tyr  Arg	Val 25 Ala Asp Thr	10 Gly Thr Tyr Gln Glu 90	Thr Asn Met Trp 75 Met	Ile Val Glu 60 Tyr	Ser Asn 45 Gly Leu Asn	Leu 30 Cys Gly Arg	15 Ala Ser Asp Ile	Cys Ser Ile Asp 80 Asn	

Ala Lys Lys Glu Cys Asn Glu Asp Cys Asn Phe Lys Glu Leu Ile Leu 135 Glu Asn His Tyr Asn Thr Tyr Ala Ser Ala Lys Trp Thr His Asn Gly 145 150 155 160 Gly Glu Met Phe Val Ala Leu Asn Gln Lys Gly Ile Pro Val Arg Gly 170 Lys Lys Arg Arg Lys Asn Lys Lys Gln Pro Thr Phe Phe Leu Trp Gln 185 <210> 3 <211> 606 <212> DNA <213> Homo sapiens <400> 3 gccgtcgaca gttattgcca taggaagaaa gtgggctgtt ttttgttctt tcttcgtttt 60 ttttcctctt acaggaatcc ccttttgatt taaggcaaca aacatttccc ctccgttgtg 120 tgtccattta gctgatgcat atgtgttgta atggttttca gaattagttc tttgaagtta 180 caatcttcat tgcattcttt ctttgcatag agttttcctt ccttgttcat tgcaagatag 240 aattcacttt ccacccttt gattgccaca attccaactg ccactgtcct gatttccatg 300 atattgtaat tattetteat etettgggte cettttaett tgeetetttt ategateete 360 aggeaceact gtgttegaca gaagagtett eteactetta tateceetee ttecatgtaa 420 teataaette ttgtgtgteg eteagggetg gaacagttea eatttgtage eatttgetet 480 ggagtcatgt cattgcaagc taaagatata gtacccacta gacagataat gtgaaagcat 540 gatctgtaga gcaaagttgg cgggatccat gtcagtatcc atttgtgcat ggtgggagat 600 ctggtg 606 <210> 4 <211> 166 <212> PRT <213> Homo sapiens <400> 4 Met His Lys Trp Ile Leu Thr Trp Ile Pro Pro Thr Leu Leu Tyr Arg Ser Cys Phe His Ile Ile Cys Leu Val Gly Thr Ile Ser Leu Ala Cys 25 Asn Asp Met Thr Pro Glu Gln Met Ala Thr Asn Val Asn Cys Ser Ser 35 40 Pro Glu Arg His Thr Arg Ser Tyr Asp Tyr Met Glu Gly Gly Asp Ile 55 Arg Val Arg Arg Leu Phe Cys Arg Thr Gln Trp Cys Leu Arg Ile Asp 65 75 Lys Arg Gly Lys Val Lys Gly Thr Gln Glu Met Lys Asn Asn Tyr Asn Ile Met Glu Ile Arg Thr Val Ala Val Gly Ile Val Ala Ile Lys Gly

105

Val Glu Ser Glu Phe Tyr Leu Ala Met Asn Lys Glu Gly Lys Leu Tyr 120 Ala Lys Lys Glu Cys Asn Glu Asp Cys Asn Phe Lys Glu Leu Ile Leu 130 135 140 Lys Thr Ile Thr Thr His Met His Gln Leu Asn Gly His Thr Thr Glu 150 155 Gly Lys Cys Leu Leu Pro 165 <210> 5 <211> 582 <212> DNA <213> Homo sapiens <400> 5 atgcacaaat ggatactgac atggatcctg ccaactttgc tctacagatc atgctttcac 60 attatctgtc tagtgggtac tatatcttta gcttgcaatg acatgactcc agagcaaatg 120 gctacaaatg tgaactgttc cagccctgag cgacacacaa gaagttatga ttacatggaa 180 ggaggggata taagagtgag aagactette tgtegaacae agtggtaeet gaggategat 240 aaaagaggca aagtaaaagg gacccaagag atgaagaata attacaatat catggaaatc 300 aggacagtgg cagttggaat tgtggcaatc aaaggggtgg aaagtgaatt ctatcttgca 360 atgaacaagg aaggaaaact ctatgcaaag aaagaatgca atgaagattg taacttcaaa 420 gaactaattc tggaaaacca ttacaacaca tatgcatcag ctaaatggac acacaacgga 480 ggggaaatgt ttgttgcctt aaatcaaaag gggattcctg taagaggaaa aaaaacgaag 540 aaagaacaaa aaacagccca ctttcttcct atggcaataa ct <210> 6 <211> 194 <212> PRT <213> Homo sapiens <400> 6 Met His Lys Trp Ile Leu Thr Trp Ile Leu Pro Thr Leu Leu Tyr Arq 5 Ser Cys Phe His Ile Ile Cys Leu Val Gly Thr Ile Ser Leu Ala Cys Asn Asp Met Thr Pro Glu Gln Met Ala Thr Asn Val Asn Cys Ser Ser 40 Pro Glu Arg His Thr Arg Ser Tyr Asp Tyr Met Glu Gly Gly Asp Ile 50 Arg Val Arg Arg Leu Phe Cys Arg Thr Gln Trp Tyr Leu Arg Ile Asp Lys Arg Gly Lys Val Lys Gly Thr Gln Glu Met Lys Asn Asn Tyr Asn 90 Ile Met Glu Ile Arg Thr Val Ala Val Gly Ile Val Ala Ile Lys Gly

105

100

- Val Glu Ser Glu Phe Tyr Leu Ala Met Asn Lys Glu Gly Lys Leu Tyr 115 120 125
- Ala Lys Lys Glu Cys Asn Glu Asp Cys Asn Phe Lys Glu Leu Ile Leu 130 135 140
- Glu Asn His Tyr Asn Thr Tyr Ala Ser Ala Lys Trp Thr His Asn Gly
  145 150 155 160
- Gly Glu Met Phe Val Ala Leu Asn Gln Lys Gly Ile Pro Val Arg Gly 165 170 175
- Lys Lys Thr Lys Lys Glu Gln Lys Thr Ala His Phe Leu Pro Met Ala
  180 185 190

Ile Thr